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★SE 9601403-A

Valve construction for ink-jet printer - comprises piston connected via union to armature part including electro-magnet movable with respect to fixed coil

JETLINE AB 96.04.15 96SE-001403

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The ink-jet valve construction (1) comprises an elongated body (5) movable axially forwards and backwards by using an electro-magnet (7) in a tubular chamber (6). The valve body moves alternately to close and open in conjunction with a valve seat (11) around an outlet (12,14) for drop-wise feed-out of ink (2) for application onto the recording medium (4).

The valve body has partly a rear armature part (17) of magnetic or magnetisable material, which comprises the electro-magnet movable armature in conjunction with the magnet fixed coil (8). It also has partly a front piston part (18) with the front end surface (") working in conjunction with the valve seat (11). The piston part is connected firmly by means of a union (23) with the rear armature part (17) and is made of a lighter material than it.

ADVANTAGE - Reduced valve body mass and thereby its inertia thus increasing work frequency and performance of printer. (10pp Dwg.No.1/1)

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